

ABSTRACT

1
2 An assay for determining presence of human DNA in a sample in which non-
3 human DNA may also be present and for quantitating such human DNA. One
4 embodiment uses intra-*Alu* based PCR and another uses inter-*Alu* based PCR. The
5 assays are performed without unique, expensive equipment. The assays are based on
6 detection of multiple-copy *Alu* elements recently integrated into the human genome that
7 are largely absent from non-human primates and other mammals.